

# SEQUENCE LISTING

<110> Katherine Galvin and Laura A. Rudolph-Owen

<120> METHODS AND COMPOSITIONS FOR THE DIAGNOSIS  
AND TREATMENT OF CARDIOVASCULAR AND TUMORIGENIC  
DISEASE USING 4941

<130> MPI99-283P1RCN1M

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<151> 2000-08-09

<150> 60/199,908

<151> 2000-04-26

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<170> PatentIn Ver. 2.0

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His Ser His Val Pro Glu Phe Glu Val Ala Thr Trp Ile Lys Ile Thr	
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ctt att ctg gtg tac ctg atc atc ttc gtg atg ggc ctt ctg ggg aac	144
Leu Ile Leu Val Tyr Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn	
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Ser Ala Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu	
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Gln Lys Glu Val Thr Asp His Met Val Ser Leu Ala Cys Ser Asp Ile	
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Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp	
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aat ccc ctg acc acg tcc agc tac acc ctg tcc tgc aag ctg cac act	336
Asn Pro Leu Thr Thr Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr	
100 105 110	
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Phe	Leu	Phe	Glu	Ala	Cys	Ser	Tyr	Ala	Thr	Leu	Leu	His	Val	Leu	Thr		
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Leu	Ser	Phe	Glu	Arg	Tyr	Ile	Ala	Ile	Cys	His	Pro	Phe	Arg	Tyr	Lys		
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gct	gtg	tcg	gga	cct	tgc	cag	gtg	aag	ctg	ctg	att	ggc	ttc	gtc	tgg	480	
Ala	Val	Ser	Gly	Pro	Cys	Gln	Val	Lys	Leu	Leu	Ile	Gly	Phe	Val	Trp		
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gtc	acc	tcc	gcc	ctg	gtg	gca	ctg	ccc	ttg	ctg	ttt	gcc	atg	ggg	act	528	
Val	Thr	Ser	Ala	Leu	Val	Ala	Leu	Pro	Leu	Leu	Phe	Ala	Met	Gly	Thr		
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gag	tac	ccc	ctg	gtg	aac	gtg	ccc	agc	cac	cgg	ggg	ctc	act	tgc	aac	576	
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cgc	tcc	agc	acc	cgc	cac	cac	gag	cag	ccc	gag	acc	tcc	aat	atg	tcc	624	
Arg	Ser	Ser	Thr	Arg	His	His	Glu	Gln	Pro	Glu	Thr	Ser	Asn	Met	Ser		
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Ile	Cys	Thr	Asn	Leu	Ser	Ser	Arg	Trp	Thr	Val	Phe	Gln	Ser	Ser	Ile		
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ttc	ggc	gcc	ttc	gtg	gtc	tac	ctc	gtg	gtc	ctg	ctc	tcc	gta	gcc	ttc	720	
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Glu	Ser	Arg	Thr	Ala	Arg	Arg	Gln	Thr	Ile	Ile	Phe	Leu	Arg	Leu	Ile		
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Arg	Val	Phe	Val	Gln	Val	Leu	Cys	Cys	Arg	Leu	Ser	Leu	Gln	His	Ala		
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 Ala Arg Phe Val Gln Arg Pro Leu Leu Phe Ala Ser Arg Arg Gln Ser  
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tct gca agg aga act gag aag att ttc tta agc act ttt cag agc gag 1248  
 Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu  
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gcc gag ccc cag tct aag tcc cag tca ttg agt ctc gag tca cta gag 1296  
 Ala Glu Pro Gln Ser Lys Ser Gln Ser Leu Ser Leu Glu Ser Leu Glu  
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ccc aac tca ggc gcg aaa cca gcc aat tct gct gca gag aat ggt ttt 1344  
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Asn Pro Leu Thr Thr Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr  
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Ala Val Ser Gly Pro Cys Gln Val Lys Leu Leu Ile Gly Phe Val Trp  
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Pro	Asn	Ser	Gly	Ala	Lys	Pro	Ala	Asn	Ser	Ala	Ala	Glu	Asn	Gly	Phe		
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 Leu Pro Gly Ser Asp Cys Ser Gln Ile Ile Asp His Ser His Val Pro  
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 Glu Phe Glu Val Ala Thr Trp Ile Lys Ile Thr Leu Ile Leu Val Tyr  
 25 30 35

ctg atc atc ttc gtg atg ggc ctt ctg ggg aac agc gcc acc att cgg 200  
 Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn Ser Ala Thr Ile Arg  
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gtc acc cag gtg ctg cag aag aaa gga tac ttg cag aag gag gtg aca 248  
 Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu Gln Lys Glu Val Thr  
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gac cac atg gtg agt ttg gct tgc tcg gac atc ttg gtg ttc ctc atc 296  
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 70 75 80 85

ggc atg ccc atg gag ttc tac agc atc atc tgg aat ccc ctg acc acg 344  
 Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp Asn Pro Leu Thr Thr  
 90 95 100

tcc agc tac acc ctg tcc tgc aag ctg cac act ttc ctc ttc gag gcc 392  
 Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr Phe Leu Phe Glu Ala  
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 Cys Ser Tyr Ala Thr Leu Leu His Val Leu Thr Leu Ser Phe Glu Arg  
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 Tyr Ile Ala Ile Cys His Pro Phe Arg Tyr Lys Ala Val Ser Gly Pro  
 135 140 145

tgc cag gtg aag ctg ctg att ggc ttc gtc tgg gtc acc tcc gcc ctg 536  
 Cys Gln Val Lys Leu Leu Ile Gly Phe Val Trp Val Thr Ser Ala Leu  
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gtg gca ctg ccc ttg ctg ttt gcc atg ggt act gag tac ccc ctg gtg 584  
 Val Ala Leu Pro Leu Leu Phe Ala Met Gly Thr Glu Tyr Pro Leu Val  
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 Asn Val Pro Ser His Arg Gly Leu Thr Cys Asn Arg Ser Ser Thr Arg  
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Ser	Ser	Arg	Trp	Thr	Val	Phe	Gln	Ser	Ser	Ile	Phe	Gly	Ala	Phe	Val	
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Val	Tyr	Leu	Val	Val	Leu	Leu	Ser	Val	Ala	Phe	Met	Cys	Trp	Asn	Met	
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cgg	cct	ccg	cag	ctg	agg	aag	tcc	gag	agc	gaa	gag	agc	agg	acc	gcc	872
Arg	Pro	Pro	Gln	Leu	Arg	Lys	Ser	Glu	Ser	Glu	Glu	Ser	Arg	Thr	Ala	
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Arg	Arg	Gln	Thr	Ile	Ile	Phe	Leu	Arg	Leu	Ile	Val	Val	Thr	Leu	Ala	
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gta	tgc	tgg	atg	ccc	aac	cag	att	cgg	agg	atc	atg	gct	gcg	gcc	aaa	968
Val	Cys	Trp	Met	Pro	Asn	Gln	Ile	Arg	Arg	Ile	Met	Ala	Ala	Ala	Lys	
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ccc	aag	cac	gac	tgg	acg	agg	tcc	tac	ttc	cgg	gcg	tac	atg	atc	ctc	1016
Pro	Lys	His	Asp	Trp	Thr	Arg	Ser	Tyr	Phe	Arg	Ala	Tyr	Met	Ile	Leu	
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Leu	Arg	Val	His	Ala	His	Ser	Thr	Thr	Asp	Ser	Ala	Arg	Phe	Val	Gln	
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cgc	ccg	ttg	ctc	ttc	gcg	tcc	cgg	cgc	cag	tcc	tct	gca	agg	aga	act	1256
Arg	Pro	Leu	Leu	Phe	Ala	Ser	Arg	Arg	Gln	Ser	Ser	Ala	Arg	Arg	Thr	
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gag	aag	att	ttc	tta	agc	act	ttt	cag	agc	gag	gcc	gag	ccc	cag	tct	1304
Glu	Lys	Ile	Phe	Leu	Ser	Thr	Phe	Gln	Ser	Glu	Ala	Glu	Pro	Gln	Ser	
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Lys	Ser	Gln	Ser	Leu	Ser	Leu	Glu	Ser	Leu	Glu	Pro	Asn	Ser	Gly	Ala	
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440

445

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